

## CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given, for the various sections of the Climatological Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting the greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures for each section, the highest and

lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperature and precipitation are based only on records from stations that have ten or more years of observations. Of course the number of such records is smaller than the total number of stations.

Temperature and precipitation by sections, January, 1910.

Section.	Temperature—in degrees Fahrenheit.						Precipitation—in inches and hundredths.					
	Section average.	Departure from the normal.	Monthly extremes.				Section average.	Departure from the normal.	Greatest monthly.		Least monthly.	
			Station.	Highest.	Date.	Station.			Station.	Amount.	Station.	Amount.
Alabama.....	45.8	+ 0.4	Spring Hill.....	70	4	Riverton.....	7	6†	3.53	- 0.88	Hamilton.....	4.90
Arizona.....	44.8	+ 0.1	Florence.....	58	21	Flagstaff.....	-29	5	1.05	+ 0.02	Jerome.....	4.89
Arkansas.....	41.8	- 2.1	3 stations.....	78	1	Wynne.....	-7	7	2.59	- 1.77	Arkansas City.....	6.19
California.....	41.9	- 3.1	San Jacinto.....	89	30	Alturas.....	-30	3	4.86	- 0.32	Monumental.....	17.17
Colorado.....	23.2	- 1.0	Hoehne.....	84	24	2 stations.....	-40	6	0.98	- 0.10	2 stations.....	5.43
Florida.....	55.8	- 1.2	Orange City.....	85	6	3 stations.....	-20	1†	1.30	- 1.63	Bonifay.....	3.58
Georgia.....	45.8	+ 0.1	St. Mary's.....	84	3	Lost Mountain.....	12	7	3.14	- 0.08	Monticello.....	4.89
Hawaii.....	66.3	.....	2 stations.....	88	1†	2 stations.....	30	21†	9.41	.....	Kaualeu, Hawaii.....	33.70
Idaho.....	20.4	- 5.0	3 stations.....	58	23†	Salmon.....	-36	3	2.14	- 0.12	Grand Forks.....	6.25
Illinois.....	26.7	.....	2 stations.....	67	1	Lanark.....	-31	7	3.11	- 0.31	Grafton.....	3.48
Indiana.....	28.4	- 0.2	Rome.....	64	26	Paoli.....	-23	7	2.90	+ 0.04	Butlerville.....	4.82
Iowa.....	18.2	- 1.2	2 stations.....	56	10†	Elkader.....	-35	7	1.57	+ 0.52	Sheldon.....	3.15
Kansas.....	30.4	+ 0.8	Hugoton.....	77	24†	Frankfort.....	-26	6	1.00	+ 0.29	Topeka.....	2.42
Kentucky.....	33.8	- 1.4	Hopkinsville.....	70	26	Beaver Dam.....	-20	7	4.41	+ 0.40	Beattyville.....	5.98
Louisiana.....	51.8	+ 1.6	Cheneyville.....	85	5	Plain Dealing.....	13	7	3.28	- 1.12	Collinston.....	6.21
Maryland and Delaware.....	32.4	- 0.3	Cambridge, Md.....	69	3	Taneytown, Md.....	-12	16	4.29	+ 1.34	Sanatorium, Md.....	5.81
Michigan.....	21.0	+ 0.6	2 stations.....	50	20†	Iron River.....	-24	7	1.90	- 0.21	Delaware City, Del.....	1.40
Minnesota.....	11.8	+ 2.1	3 stations.....	43	18†	Roseau.....	-40	4	0.83	+ 0.21	2 stations.....	0.50
Mississippi.....	47.7	+ 1.3	Waynesboro.....	84	5	2 stations.....	6	7†	4.15	- 0.85	Roseau.....	T.
Missouri.....	32.3	+ 0.9	Warsaw.....	78	25	Bethany.....	-24	6	1.83	- 0.28	Greenville.....	6.58
Montana.....	20.6	+ 0.9	Chouteau.....	68	21	Foster.....	-36	3	0.99	- 0.04	Sikestown.....	3.98
Nebraska.....	22.0	- 1.4	3 stations.....	62	24†	Burge.....	-27	5	0.69	+ 0.19	Snowshoe.....	9.17
Nevada.....	22.1	- 6.9	Logan.....	70	24	2 stations.....	-28	5†	1.28	- 0.10	Nebraska City.....	2.20
New England*.....	25.6	+ 3.6	Rockport, Mass.....	64	28	Woodstock, Vt.....	-28	5	4.65	+ 0.98	Brookfield.....	4.60
New Jersey.....	39.7	0.0	4 stations.....	54	21	Layout.....	-15	17	5.04	+ 1.34	Waterbury, Conn.....	8.05
New Mexico.....	35.7	+ 1.4	Carlbad.....	86	1	Red River Canyon.....	-20	6	0.40	- 0.24	College Farm.....	6.65
New York.....	23.4	+ 1.7	4 stations.....	54	21†	Indian Lake.....	-33	5	4.19	+ 1.32	Red River Canyon.....	3.30
North Carolina.....	40.8	+ 0.5	Marion.....	80	3	Banners Elk.....	4	8	3.24	- 0.51	Southeast Reservoir.....	8.09
North Dakota.....	9.4	+ 3.3	Washburn.....	49	18	Pembina.....	-35	3	0.33	- 0.24	Highlands.....	5.67
Ohio.....	27.6	- 0.4	Cincinnati.....	62	26	Milligan.....	-24	10	4.48	+ 1.64	Hannibal.....	1.80
Oklahoma.....	40.1	+ 1.8	Erick.....	89	1	Beaver.....	-10	5	0.89	- 0.30	McConnellsburg.....	7.00
Oregon.....	31.3	- 3.4	2 stations.....	66	30	2 stations.....	-25	3	4.64	- 0.18	Jefferson.....	2.68
Pennsylvania.....	27.2	- 0.1	Indiana.....	56	20	Lawrenceville.....	-22	16	5.55	+ 2.17	Glenora.....	22.79
Porto Rico.....	72.0	- 1.3	3 stations.....	92	9†	Cidra.....	45	28	4.69	+ 1.57	Somerset.....	8.91
South Carolina.....	45.5	- 0.2	Greenville.....	80	3	Darlington.....	11	12	2.98	- 0.39	Camerio Falls.....	13.79
South Dakota.....	15.5	- 1.0	Fort Meade.....	63	24	2 stations.....	-32	6	1.23	+ 0.58	Liberty.....	4.45
Tennessee.....	38.4	+ 0.6	Rugby.....	73	2	Springville.....	-17	7	4.16	- 0.42	Dumont.....	4.59
Texas.....	50.6	+ 2.2	5 stations.....	89	1†	Miami.....	-5	5	0.85	- 0.63	New River.....	6.64
Utah.....	23.8	- 2.2	Springdale.....	70	30	Fort Duchesne.....	-34	6	1.51	+ 0.13	Sparta.....	8 stations.....
Virginia.....	35.7	+ 0.4	Warsaw.....	75	3	Stevens City.....	0	16	3.60	+ 0.47	Richfield.....	0.00
Washington.....	30.9	- 1.5	Sunnyside.....	62	30	Newport.....	-15	3	4.68	- 0.45	Dayville.....	T.
West Virginia.....	32.0	+ 0.3	Burlington.....	67	3	3 stations.....	-5	8†	5.68	+ 2.37	Ephrata.....	0.25
Wisconsin.....	15.1	+ 0.4	Merrill.....	49	1	Hillsboro.....	-38	7	1.39	+ 0.12	Nuttallburg.....	2.52
Wyoming.....	18.0	- 2.1	Soldiers Home.....	66	24	Lovell.....	-37	3	1.03	- 0.16	Superior.....	0.31
											Powell.....	0.03

\*Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

†Other dates also.

TABLE I.—Climatological data for U. S. Weather Bureau stations, January, 1910.

Stations.	Elevation of instruments.		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.								Precipitation, in inches.		Wind.		Cloudy days.		Average cloudiness during daylight, tenths.		Total snowfall.												
	Bathometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + 2°	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.1 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity.	Date.	Clear days.	Partly cloudy days.	Total.						
New England.																																	
Newport.	76	67	85	29.98	30.07	+ .07	28.5	+ 4.0	53	22	34	- 10	4	21	41	25	22	78	4.65	+ 1.2	14	10,397	w.	56	se.	22	7	5	19	6.6	7.4	7.2	
Greenville.	1,070	6	28.88	30.08			18.5		47	22	28	- 4	18	4	9	35	21	29	25	3.43	- 0.9	11	7,061	n.	43	se.	22	10	8	13	5.6	5.6	5.0
Portland, Me.	103	81	117	29.96	30.09	+ .04	27.3	+ 5.8	49	22	34	- 4	5	21	29	29	25	20	2.90	- 0.9	11	4,190	nw.	35	sw.	4	7	10	14	6.4	9.1	15.0	
Concord.	288	70	79	29.77	30.10	+ .05	25.7	+ 4.5	50	22	28	- 10	5	17	44	25	22	75	4.10	+ 0.8	13	10,213	s.	54	s.	5	4	10	17	7.2	16.9	17.3	
Burlington.	404	11	48	29.65	30.12	+ .07	20.5	+ 4.2	50	22	28	- 17	5	13	47	25	22	75	2.70	+ 0.9	19	5,685	s.	44	s.	23	4	10	17	7.0	17.3	17.3	
Northfield.	876	16	70	29.11	30.11	+ .06	17.9	+ 2.8	49	22	28	- 26	25	8	47	16	15	89	2.80	+ 0.3	14	8,588	w.	42	se.	21	6	9	10	6.8	11.9	11.9	
Boston.	125	115	182	29.95	30.09	+ .04	32.0	+ 5.0	57	22	38	- 3	3	4	25	30	29	25	76	4.25	+ 0.4	15	13,490	n.	66	ne.	14	10	4	17	6.9	21.5	21.5
Nantucket.	12	14	90	30.06	30.07	+ .03	34.5	+ 2.4	50	20	40	- 10	4	29	25	32	30	85	6.90	+ 3.5	17	13,490	nw.	73	ne.	14	11	3	17	6.1	8.8	8.8	
Block Island.	26	11	46	30.06	30.09	+ .02	33.8	+ 2.4	48	22	39	- 2	4	5	29	40	31	28	81	4.86	+ 1.0	18	13,094	sw.	52	se.	12	5	14	17	6.1	8.8	8.8
Narragansett.	9						31.7	+ 3.3	48	19	39	- 1	5	24	39	39	39	39	5.57		15										11.0		
Providence.	160	141	165	29.92	30.10	+ .04	31.4	+ 4.2	56	22	39	- 5	5	24	45	28	23	75	4.85	+ 0.5	17	7,866	nw.	52	se.	22	9	6	16	6.5	15.7	15.7	
Hartford.	159	122	140	29.92	30.10	+ .03	28.6	+ 3.1	51	22	36	- 6	5	21	30	26	21	73	6.68	+ 2.8	15	6,008	s.	48	nw.	4	6	17	6.5	14.6	14.6		
New Haven.	106	116	155	29.97	30.10	+ .02	30.6	+ 3.3	51	22	38	- 3	5	23	30	27	21	70	7.28	+ 3.4	16	7,703	n.	45	s.	21	8	8	15	6.2	11.5	11.5	
Mid. Atlantic States.																																	
Albany.	97	102	115	30.01	30.13	+ .06	25.2	+ 2.7	52	22	33	- 8	5	18	42	22	19	79	4.13	+ 1.5	16	6,432	nw.	37	s.	22	8	7	16	6.7	1.4	1.4	
Binghamton.	871	78	88	29.14	30.10	+ .02	24.2	+ 1.1	50	22	33	- 7	17	15	41	26	23	75	5.12	+ 3.1	17	4,933	w.	35	s.	23	22	7	17	6.5	16.6	16.6	
New York.	314	108	203	29.75	30.10	+ .02	32.4	+ 2.2	51	21	39	- 9	17	23	31	30	26	77	5.61	+ 1.8	14	9,163	nw.	56	w.	20	7	10	14	6.5	16.6	16.6	
Harrisburg.	374	94	104	29.72	30.14	+ .04	29.4	+ 0.7	47	21	36	- 9	17	23	33	26	23	74	3.91	+ 1.1	13	5,367	e.	34	sw.	22	8	4	19	6.9	21.5	21.5	
Philadelphia.	117	116	184	30.00	30.14	+ .02	33.6	+ 1.8	55	21	40	- 9	5	27	33	26	20	75	4.23	+ 1.5	14	8,143	sw.	40	se.	21	8	6	17	6.4	9.2	9.2	
Scranton.	305	111	119	29.22	30.11	+ .02	27.4	+ 1.9	50	21	35	- 1	4	20	38	24	20	75	4.32	+ 1.5	15	5,523	sw.	40	se.	22	4	6	21	7.6	18.6	18.6	
Atlantic City.	52	37	48	30.07	30.13	+ .02	33.9	+ 1.4	49	24	40	- 12	4	27	28	31	27	79	4.64	+ 1.2	17	7,126	sw.	36	se.	21	8	6	17	6.8	0.5	0.5	
Cape May.	17	9	56	30.12	30.15	+ .03	33.4	+ 0.7	47	3	39	- 12	5	28	32	31	28	83	4.64	+ 1.3	19	7,592	sw.	40	se.	21	8	6	10	15	6.5	0.3	
Baltimore.	123	100	113	30.00	30.14	+ .02	34.0	- 0.4	58	18	40	- 13	5	28	23	30	25	72	4.68	+ 1.5	12	5,282	sw.	29	se.	22	8	6	17	6.5	12.8	12.8	
Washington.	112	62	85	30.00	30.13	+ .02	33.7	+ 0.8	58	18	41	- 11	1	26	20	29	24	73	4.39	+ 1.0	13	5,457	sw.	37	nw.	9	7	6	18	6.6	8.8	8.8	
Cape Henry.	18	9	58																														
Lynchburg.	681	83	88	29.38	30.14	+ .01	37.2	+ 1.4	71	3	46	- 14	11	28	32	32	28	75	3.44	- 0.3	13	3,508	nw.	25	sw.	9	7	9	15	6.3	3.5	3.5	
Mount Weather.	1,725	10	54	38.20	30.11	- .02	29.8	+ 2.5	61	3	36	- 10	4	23	34	29	22	79	4.53	+ 1.2	14	12,328	nw.	62	sw.	7	9	5	17	6.8	23.3	23.3	
Norfolk.	91	102	111	30.05	30.14	+ .02	41.6	+ 1.2	69	3	50	- 24	4	33	37	36	31	70	2.53	- 0.8	13	7,984	s.	39	sw.	7	9	12	10	5.5	T.	T.	
Richmond.	144	189	197	29.99	30.15	+ .02	39.0	+ 1.0	70	3	48	- 21	11	31	30	29	21	70	3.38	+ 0.4	12	6,882	w.	35	se.	21	5	13	11	6.5	1.8	1.8	
Wytheville.	2,293	40	47	27.68	30.15	+ .01	34.2	+ 1.2	60	6	43	13	8	25	33	30	27	84	2.72	- 1.6	9	4,994	w.	27	w.								5.2
S. Atlantic States.																																	
Asheville.	2,255	53	75	27.74	30.19	+ .04	36.4	+ 1.0	67	2	47	- 11	8	26	34	32	29	79	2.42	- 2.2	6	6,878	nw.	31	sw.	7	13	7	11	5.3	2.5	2.5	
Charlotte.	773	68	76	29.31	30.17	+ .02	41.6	+ 1.2	72	3	51	- 21	8	32	39	36	32	73	3.36	- 0.9	11	6,097	s.	30	aw.	18	14	3	13	5.5	3.0	3.0	
Hatteras.	11	12	47	30.14	30.15	+ .01	46.6	+ 0.8	66	6	54	- 20	10	39	27	43	41	86	2.35	- 2.6	8	12,146	sw.	58	s.	29	13	5	13	5.5	3.0	3.0	
Manteo.	13	12	46																														
Raleigh.	376	103	110	29.74	30.16	+ .03	42.0	+ 1.6	71	3	52	- 22	11	32	37	36	29	65	4.05	+ 0.5	12	7,089	sw.	42	w.	7	13	7	11	5.0	0.7	0.7	
Wilmington.	78	81	91	30.10	30.19	+ .05	47.0	+ 1.4	71	6	57	- 22	11	37	33	40	34	68	1.07	- 2.4	6	7,136	sw.	38	s.	21	12	3	13	6.4	4.4	4.4	
Charleston.	44	42	94	30.19	30.19	+ .04	49.0	+ 0.3	74	3	55	- 29	20	42	40	37	32	80	1.39	- 2.1	7	8,520	sw.	39	s.	28	11	3	13	7.4	7.4	7.4	
Columbia, S. C.	351	41	57	29.79	30.18	+ .03	45.3	+ 0.2	75	3	55	- 20	11	36	40	36	32	81	2.81	- 0.5	10	6,373	sw.	42	sw.	18	7	13	11	6.2	T.	T.	
Augusta.	180	89	97	29.99	30.19	+ .03	48.6	+ 0.7	75	6	53	- 22	11	36	39	35	32	73	2.33	- 0.9	9	5,781	sw.	36	sw.	18	11	8	12	5.2	T.	T.	
Savannah.	65	150	194	30.14	30.22	+ .07	49.9	- 0.0	72	6	60</td																						

TABLE I.—Climatological data for U. S. Weather Bureau stations, January, 1910—Continued.

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.			Wind.			Average cloudiness during daylight, tenths.											
	Barometer above sea level, feet.	Thermometers above ground.	Anerometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + 2	Departure from normal.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Total.	Departure from normal.	Days with 0.1 or more.	Total movement, miles.	Prevailing direction.	Miles per hour.	Maximum velocity.	Clear days.	Partly cloudy days.	Cloudy days.	Total snowfall.				
<i>Upper Lake Region.</i>																														
Alpena.	609	13	92	29.36	30.06	+ .02	20.0	+ 2.1	39	1	28	- 5	10	15	26	19	16	83	1.56	- 0.6	11	8,864	sw.	56	se.	5.3	19	7.5	18.0	
Escanaba.	612	40	92	29.38	30.08	+ .03	17.4	+ 2.9	37	1	26	- 9	7	9	18	25	16	12	81	1.52	- 0.6	13	7,094	nw.	32	se.	5.7	8	6.4	15.2
Grand Haven.	632	54	92	29.36	30.07		17.4	+ 2.9	37	1	24	- 4	18	25	23	21	87	2.41	- 0.4	21	9,636	se.	39	sw.	5.5	2	3	26.6		
Grand Rapids.	707	127	162	29.28	30.08	+ .02	24.4	+ 0.6	45	20	30	- 2	4	19	21	23	21	88	2.04	- 0.7	14	8,837	s.	40	sw.	21	2	3	26.1	
Houghton.	668	66	74	29.29	30.05		17.4	+ 2.9	36	15	26	- 7	9	10	41	18	15	83	1.82	- 0.2	18	4,367	nw.	26	sw.	21	3	10	8.4	
Marquette.	734	77	116	29.23	30.07	+ .03	20.0	+ 4.1	42	1	26	- 3	3	14	27	18	15	83	2.03	- 0.0	13	8,875	w.	46	sw.	21	3	10	7.4	
Port Huron.	638	70	120	29.34	30.04	- .02	23.6	+ 1.8	41	20	29	0	4	18	25	22	20	83	1.99	+ 0.1	16	9,427	nw.	48	sw.	22	3	10	8.4	
Sault Sainte Marie.	614	11	61	29.34	30.07	+ .04	15.8	+ 2.5	35	20	24	- 15	10	8	34	15	12	85	1.15	- 1.0	15	6,343	e.	44	w.	26	5	6	20.4	
Chicago.	823	140	310	29.17	30.10	- .00	25.6	+ 1.9	46	26	32	- 5	7	20	27	24	20	79	3.07	+ 1.1	13	11,684	w.	48	sw.	21	4	11	9.1	
Milwaukee.	881	123	139	29.33	30.10	+ .02	21.1	+ 1.3	40	20	28	- 10	7	15	29	20	17	83	2.71	+ 0.7	11	9,161	w.	55	sw.	21	4	11	7.2	
Green Bay.	617	49	86	29.38	30.08	+ .02	16.1	+ 1.5	40	20	24	- 18	7	8	32	15	12	79	1.02	- 0.2	12	7,581	nw.	40	n.	21	4	11	16.7	
Duluth.	1,133	47	28	29.00	30.09		13.4	+ 3.0	33	19	21	- 17	3	6	30	13	11	90	0.80	- 0.2	6	9,650	sw.	32	nw.	20	6	12	13.2	
<i>North Dakota.</i>							9.7	+ 5.6																				5.8		
Moorhead.	940	8	57	29.06	30.13	- .01	9.8	+ 7.1	36	19	19	- 25	4	1	35	9	8	93	0.52	- 0.2	7	6,168	nw.	31	nw.	1	11	10	5.2	
Bismarck.	1,074	8	57	28.26	30.15	+ .02	9.4	+ 2.7	45	31	21	- 24	3	2	47	8	6	88	0.57	0.0	6	6,019	nw.	40	n.	14	11	9	5.6	
Devils Lake.	1,482	11	44	28.42	30.08	- .04	8.6	+ 8.3	38	19	17	- 26	3	0	3	33	7	6	92	0.10	- 0.5	3	7,347	w.	48	nw.	1	7	11	6.0
Williston.	1,872	14	56	27.99	30.07	- .04	11.0	+ 4.5	41	22	21	- 18	0	4	10	8	89	0.27	- 0.3	5	5,461	sw.	44	w.	19	6	13	6.3		
<i>Upper Miss. Valley.</i>							22.7	+ 1.2																				6.9		
Minneapolis.	918	102	208				15.4		39	19	23	- 18	4	8	29	10	8	108	+ 0.4	8	8,393	s.	46	w.	20	7	13	11.4		
St. Paul.	837	171	179	29.15	30.10	- .01	14.4	+ 2.8	38	19	23	- 17	6	8	30	14	10	81	1.10	+ 0.2	8	7,216	nw.	44	nw.	21	7	10	5.9	
La Crosse.	714	11	48	29.29	30.10	- .01	15.9	+ 0.9	41	18	26	- 21	7	6	32	13	81	1.33	+ 0.2	8	4,100	s.	21	nw.	20	8	15	6.6		
Madison.	974	70	78	28.98	30.08	- .02	17.1	+ 0.6	39	20	25	- 18	7	9	36	16	13	81	2.82	+ 1.3	9	8,021	nw.	45	ne.	13	8	6	17.2	
Charles City.	1,015	10	49	28.99	30.12	- .02	11.8	+ 0.4	41	19	22	- 32	6	1	36	12	11	94	1.75	+ 0.8	7	5,453	nw.	29	nw.	20	5	6	6.6	
Davenport.	606	71	79	29.43	30.13	- .00	21.2	+ 0.4	45	19	29	- 13	6	14	34	20	18	86	1.69	+ 0.1	9	6,026	nw.	31	w.	26	10	4	17.3	
Des Moines.	861	84	101	29.16	30.11	- .03	20.5	+ 0.1	48	19	29	- 14	7	12	34	19	17	86	1.72	+ 0.5	6	6,116	nw.	32	nw.	20	10	8	6.3	
Dubuque.	698	100	115	29.35	30.14	+ .02	18.4	+ 0.1	44	20	27	- 25	8	10	41	18	15	85	2.45	+ 1.0	6	4,834	nw.	24	nw.	20	9	11	6.4	
Keokuk.	614	64	78	29.44	30.15	+ .01	27.0	+ 3.3	52	19	34	- 8	6	20	31	24	20	78	1.61	+ 0.1	7	6,114	nw.	38	w.	26	9	11	5.6	
Cairo.	356	87	93	29.79	30.19	+ .03	36.3	+ 1.5	64	1	44	- 6	7	29	32	27	72	2.63	+ 1.2	9	7,771	s.	48	sw.	26	10	5	6.3		
La Salle.	536	64	66	29.53	30.13	+ .02	22.2	+ 0.1	44	26	30	- 11	6	15	34	20	18	86	1.93	- 0.2	12	6,437	w.	34	w.	26	9	11	6.2	
Peoria.	609	11	45	29.44	30.14	+ .02	24.4	+ 1.3	45	19	32	- 3	8	6	21	31	22	79	1.97	- 0.2	11	6,830	nw.	42	w.	26	11	7	5.8	
Springfield, Ill.	644	10	91	29.41	30.12	- .01	25.0	+ 1.7	49	19	34	- 2	6	1	6	22	26	26	22	7.586	nw.	33	nw.	20	11	7	13.7			
Hannibal.	534	75	109	29.54	30.14	+ .01	28.6	+ 1.9	54	19	36	- 2	6	21	31	29	24	74	1.68	- 0.6	9	7,300	nw.	44	w.	26	11	6	5.8	
St. Louis.	567	208	217	29.51	30.13	- .01	23.6	+ 1.6	61	1	40	3	6	25	25	29	24	74	2.73	+ 0.5	8	8,865	nw.	50	w.	26	7	9	5.5	
<i>Missouri Valley.</i>							23.6	+ 2.5																				5.5		
Columbia, Mo.	784	11	84	29.27	30.13	- .00	30.2	+ 3.0	62	25	39	- 0	6	22	32	30	20	30	2.36	+ 0.1	9	7,156	e.	40	w.	20	12	8	11	
Kansas City.	963	161	181	29.06	30.14	- .01	30.6	+ 4.4	64	25	38	- 4	6	24	32	35	27	75	2.06	+ 0.9	3	6,667	nw.	48	w.	20	11	8	6.6	
Springfield, Mo.	1,324	98	104	28.70	30.15	+ .01	34.4	+ 3.1	71	25	43	- 5	6	26	33	33	30	75	0.98	- 1.7	5	9,048	nw.	40	w.	26	16	7	5.2	
Iola.	984	11	50	29.08	30.17	+ .03	32.2	+ 4.6	69	25	42	- 3	6	23	31	31	31	75	1.15	+ 0.2	4	6,148	nw.	30	nw.	20	13	7	1.1	
Topeka.	983	80	101				23.8	+ 3.2	63	25	37	- 5	6	21	27	27	24	72	2.42	+ 1.5	4	7,515	nw.	42	nw.	26	13	7	11	
Lincoln.	1,189	11	84	28.82	30.15	- .00	21.8	+ 0.6	46	25	30	- 13	4	14	32	20	17	82	1.15	+ 0.4	7	6,601	s.	46	w.	26	10	3	18.3	
Omaha.	1,058	115	121	28.91	30.15	+ .00	22.4	+ 1.9	48	19	29	- 10	5	16	25	21	19	86	0.94	+ 0.3	7	6,539	nw.	39	nw.	26	10	7	11.8	
Valentine.	2,598	47	51	28.31	30.15	+ .03	19.6	+ 1.4	49	25	30	- 8	3	14	30	20	17	80	0.78	- 0.8	12	3,179	nw.	24	nw.	20	13	7	7.4	
Sioux City.	1,135	96	164	28.87	30.15	- .00	18.2	+ 2.6	42	22	26	- 17	6	10	36	17	15	85	1.61	+ 1.1	7	7,368	w.	44	nw.	26	10	2	18.0	
Pierre.	1,572	70	75	28.40	30.16	+ .03	16.0	+ 2.1	41	31	26	- 13	5	7	34	14	9	73	0.94	+ 0.5	6	6,108	nw.	43	nw.	20	9	12	5.4	
Huron.</td																														

TABLE I.—*Climatological data for U. S. Weather Bureau stations, January, 1910—Continued.*

† Below sea level.

TABLE II.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.80 inch in 1 hour, during January, 1910, at all stations furnished with self-registering gages.

TABLE II.—Accumulated amounts of precipitation for each 5 minutes, etc.—Continued.

Stations.	Total duration.			Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.														
	Date.	From—	To—	Total amount of precipitation.	Began—	Ended—	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.	
Eureka, Cal.	14			0.99																0.49	
Evansville, Ind.	5			0.88															0.17		
Flagstaff, Ariz.	1			2.08															*		
Fort Smith, Ark.				0.45															*		
Fort Worth, Tex.	12-13			0.49															0.24		
Fresno, Cal.	2			0.66															0.14		
Galveston, Tex.	5			1.51															*		
Grand Haven, Mich.	4-5			0.50															*		
Grand Junction, Colo.	3			0.18															*		
Grand Rapids, Mich.	13-14			0.68															*		
Green Bay, Wis.	4-5			0.37															*		
Hannibal, Mo.	12-13			0.88†															*		
Harrisburg, Pa.	21			0.40															0.14		
Hartford, Conn.	21-22			0.95															*		
Hatteras, N. C.	21	8:50 a. m.	8:50 p. m.	1.18	11:05 a. m.	11:35 a. m.	0.21	0.12	0.37												
Havre, Mont.	7, 31			0.12															*		
Helena, Mont.	1-2			0.49															*		
Houghton, Mich.	20-21			0.42															*		
Huron, S. Dak.	12-13			1.10															*		
Independence, Cal.	2			0.23															*		
Indianapolis, Ind.	12-13			0.89															*		
Iola, Kans.	3-4			0.61															*		
Jacksonville, Fla.	28			0.27															0.24		
Jupiter, Fla.	7-8			0.64															0.17		
Kalispell, Mont.	24			0.19															*		
Kansas City, Mo.	13			1.33															*		
Keokuk, Iowa	12			0.78															*		
Key West, Fla.	28	5:25 p. m.	5:58 p. m.	0.32	5:41 p. m.	5:51 p. m.	T.	0.26	0.31												
Knoxville, Tenn.	18			0.76															0.33		
La Crosse, Wis.	13			0.57															*		
Lander, Wyo.	1			1.72															*		
La Salle, Ill.	12-13			0.56															0.09		
Lewiston, Idaho	28			0.29															*		
Lexington, Ky.	5-6			1.20															*		
Lincoln, Nebr.	11-12			0.50															*		
Little Rock, Ark.	4			0.63															0.30		
Los Angeles, cal.	1			0.72															0.50		
Louisville, Ky.	5-6			0.91															*		
Lynchburg, Va.	21			1.29															0.38		
Macon, Ga.	28			2.08															0.48		
Madison, Wis.	13			1.21															*		
Marquette, Mich.	20-21			0.64															*		
Memphis, Tenn.	5-6			1.97†															*		
Meridian, Miss.	20			0.74															0.45		
Milwaukee, Wis.	13			1.26†															*		
Minneapolis, Minn.	4			0.39															*		
Mobile, Ala.	27-28	D. N.	D. N.	1.18	11:49 p. m.	12:04 a. m.	0.03	0.26	0.40	0.50										*	
Modena, Utah	31-1			0.75																*	
Montgomery, Ala.	6			0.90															0.37		
Moorhead, Minn.	4-5			0.22															*		
Mount Tamalpais, Cal.	13			0.52															0.26		
Mount Weather, Va.	21-22			1.10†															*		
Nantucket, Mass.	22			0.87															0.37		
Nashville, Tenn.	18			0.89															0.38		
New Haven, Conn.	21-22			1.87															*		
New Orleans, La.	20	12:40 p. m.	12:50 p. m.	0.93	2:13 p. m.	2:31 p. m.	0.30	0.12	0.34	0.40	0.43									0.24	
New York, N. Y.	6			0.88															0.31		
Norfolk, Va.	28			0.42															*		
Northfield, Vt.	6-7			0.77†															0.33		
North Head, Wash.	6			1.44															*		
North Platte, Nebr.	3-4			0.28															0.10		
Oklahoma, Okla.	12			0.56															*		
Omaha, Nebr.	4			0.50															*		
Oswego, N. Y.	17-18			0.69															*		
Palestine, Tex.	5			0.16															0.13		
Parkersburg, W. Va.	5-6			1.43†															*		
Pensacola, Fla.	23			0.37															0.34		
Peoria, Ill.	4-5			0.78															*		
Philadelphia, Pa.	6-7			1.55†															*		
Phoenix, Ariz.	2			0.26															0.05		
Pierre, S. Dak.	13			0.44															*		
Pittsburg, Pa.	13-14			1.03															*		
Pocatello, Idaho	1-2			0.93															*		
Point Reyes Light, Cal.	24			0.58															0.21		
Port Huron, Mich.	13-14			0.58															*		
Portland, Me.	6-7			0.82															*		
Portland, Oreg.	18			1.16															0.22		
Providence, R. I.	6-7			1.16															*		
Pueblo, Colo.	3			0.12															*		
Raleigh, N. C.	21			1.04															0.44		
Rapid City, S. Dak.	3, 4			0.21															*		
Red Bluff, Cal.	15			0.40															0.24		
Reno, Nev.	16			0.29															*		
Richmond, Va.	24			0.18															0.18		
Rochester, N. Y.	21			0.73															*		
Roseburg, Oreg.	25			0.55															0.21		
Roswell, N. Mex.	3			0.05															*		
Sacramento, Cal.	23			0.17															0.13		
St. Louis, Mo.	12-13			1.47															*		
St. Paul, Minn.	26			0.44															*		
Salt Lake City, Utah	25			0.24															*		
San Antonio, Tex.	13			0.77															*		
San Diego, Cal.	1			0.70															*		
Sandusky, Ohio	21-22			1.27															*		
San Francisco, Cal.	13			0.74															0.35		
San Jose, Cal.	16			0.40															0.18		
San Luis Obispo, Cal.	24			0.74															0.28		
Santa Fe, N. Mex.	16			0.22															*		
Sault Ste. Marie, Mich.	4																				

TABLE II.—Accumulated amounts of precipitation for each 5 minutes, etc.—Continued.

Stations.	Total duration.			Total amount of precipitation.	Excessive rate.		Amount before excessive rain.	Depths of precipitation (in inches) during periods of time indicated.													
	Date.	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Shreveport, La.	20			1.18																0.46	
Sioux City, Iowa	12-13			0.39†															*		
Southeast Farallon, Cal.	13			0.40															0.19		
Spokane, Wash.	23-24			0.28															*		
Springfield, Ill.	4			0.90															*		
Springfield, Mo.	12-13			0.56															*		
Syracuse, N. Y.	17-18			0.80															*		
Tacoma, Wash.	17			1.16															0.22		
Tampa, Fla.	21			0.31															0.25		
Tatooch Island, Wash.	17			1.93															0.48		
Taylor, Tex.	4			0.15															0.05		
Thomasville, Ga.	20-21	5:00 p. m.	D. N.	1.46	9:20 p. m.	9:50 p. m.	0.72	0.07	0.12	0.23	0.27	0.45	0.58	0.36	0.46	0.57	0.86	0.85	0.90		
Do.	28	7:01 a. m.	9:45 a. m.	1.01	7:30 a. m.	8:33 a. m.	0.04	0.08	0.14	0.15	0.16	0.20	0.26								
Toledo, Ohio	13			1.10															*		
Tonopah, Nev.	2-3			0.18															*		
Topeka, Kans.	12			1.34															*		
Valentine, Nebr.	12			0.67															*		
Vicksburg, Miss.	20			0.86															0.52		
Walla Walla, Wash.	31			0.80															*		
Washington, D. C.	28-29			1.01															*		
Wichita, Kans.	11-12			0.32															*		
Williston, N. Dak.	4			0.10															*		
Wilmington, Del.	21			0.58															0.32		
Winemucca, Nev.	31-1			0.60															*		
Wytheville, Va.	20-21			0.97															*		
Yankton, S. Dak.	12-13			0.65															*		
Yellowstone Park, Wyo.	1			0.94															*		

\* Self-register not working.

† Estimated.

‡ No precipitation recorded during month.

|| Includes part of December 31, 1909.

TABLE III.—Data furnished by the Canadian Meteorological Service, January, 1910.

Stations.	Pressure.			Temperature.			Precipitation.			Stations.	Pressure.			Temperature.			Precipitation.				
	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.		Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.			
St. Johns, N. F.	Ins.	Ins.	Ins.	•	•	•	•	Ins.	Ins.	Ins.	Parry Sound, Ont.	29.33	30.06	+ .05	19.4	+ 5.6	28.3	10.5	4.98	+ 0.91	44.5
Sydney, C. B. I.	29.82	29.96	+.10	30.1	+.6.3	35.7	24.4	3.77	-2.14	6.0	Port Arthur, Ont.	29.33	30.07	.00	11.0	+ 7.0	21.6	0.4	0.71	-0.11	7.1
Halifax, N. S.	30.00	30.04	+.11	30.0	+.9.5	36.4	23.7	6.05	+0.95	9.5	Winnipeg, Man.	29.21	30.10	-.01	5.4	+ 12.2	13.9	-3.2	0.25	-0.63	2.5
Grand Manan, N. B.	29.98	30.07	+.10	28.2	+.6.4	35.7	20.6	9.48	+3.71	15.5	Minnedosa, Man.	28.12	30.04	-.06	6.0	+ 13.2	15.9	-3.0	0.09	-0.77	0.3
Yarmouth, N. S.	30.02	30.07	+.08	30.0	+.6.6	37.2	22.9	3.47	-1.44	3.4	Qu' Appelle, Assin.	27.58	29.04	-.14	8.6	+ 12.4	17.1	0.0	0.15	-0.35	1.5
Charlottetown, P. E. I.	30.00	30.04	+.08	24.2	+.7.2	31.2	17.3	4.73	+0.82	15.2	Medicine Hat, Alberta.	27.61	29.96	-.11	22.8	+ 17.3	31.7	14.0	0.29	-0.28	2.4
Chatham, N. B.	30.05	30.08	+.11	19.0	+.9.2	27.9	10.0	4.18	+0.59	8.6	Swift Current, Sask.	27.30	29.99	-.10	15.8	+ 12.7	23.1	8.6	0.14	-0.50	1.0
Father Point, Que.	30.02	30.05	+.07	19.4	+.11.4	26.2	12.6	1.87	-0.98	14.3	Calgary, Alberta.	26.24	29.90	-.13	21.1	+ 12.7	31.0	11.2	0.21	-0.32	2.1
Quebec, Que.	29.73	30.07	+.85	16.3	+.7.2	24.0	8.6	4.82	+0.81	27.0	Banff, Alberta.	25.23	30.02	+.02	15.4	+ 3.1	23.7	7.1	0.46	-0.73	4.5
Montreal, Que.	29.86	30.08	+.04	20.5	+.8.8	27.4	13.6	4.01	+0.28	30.5	Edmonton, Alberta.	27.49	29.88	-.15	13.4	+ 11.6	24.3	2.4	0.16	-0.52	1.6
Stonecliffe, Ont.	29.43	30.05	+.03	16.4	+.10.0	29.7	3.1	1.19	-1.13	10.3	Prince Albert, Sask.	28.37	30.01	-.08	5.4	+ 13.8	14.0	-3.3	0.81	-0.16	8.1
Ottawa, Ont.	29.80	30.15	+.12	17.7	+.8.1	25.8	9.6	3.40	+0.41	18.1	Battleford, Sask.	28.12	29.95	-.13	5.3	+ 11.2	14.3	-3.7	0.02	-0.38	0.2
Kingston, Ont.	29.78	30.12	+.07	23.0	+.5.9	26.9	16.1	2.46	-0.99	8.5	Kamloops, B. C.	28.68	29.99	+.03	25.0	+ 2.0	31.2	18.8	0.22	-0.60	1.0
Toronto, Ont.	29.66	30.06	+.01	25.5	+.4.1	31.9	19.0	3.49	+0.57	19.9	Victoria, B. C.	29.88	29.98	+.01	38.7	+ 0.2	42.6	34.9	4.54	-0.85	0.7
White River, Ont.	28.63	30.03	+.01	4.8	+.5.4	17.1	-7.5	0.11	-1.58	1.1	Barkerville, B. C.	25.43	29.85	-.04	16.4	-1.4	21.2	11.5	3.30	+ 0.70	28.2
Port Stanley, Ont.	29.41	30.06	+.01	24.3	+.2.1	30.3	18.4	5.10	+2.11	33.2	Dawson, Yukon.	28.61	30.00	-.04	20.5	-.12	12.5	-28.4	1.31	..	13.1
Southampton, Ont.	29.33	.....	.....	22.4	+.2.0	29.0	15.8	3.89	-0.16	36.2	Hamilton, Bermuda	30.09	30.26	+.13	60.9	-1.1	65.6	56.1	9.44	+ 4.50	0.0

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